

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003023.D
 Acq On : 29 Jun 2020 21:53
 Operator : SY/MD
 Sample : L3153-13
 Misc : 6.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-B

Quant Time: Jun 30 06:03:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	399210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	634348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	594786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	287004	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	224169	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.72	113	209776	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
50) Toluene-d8	10.18	98	758064	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.48	95	265810	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

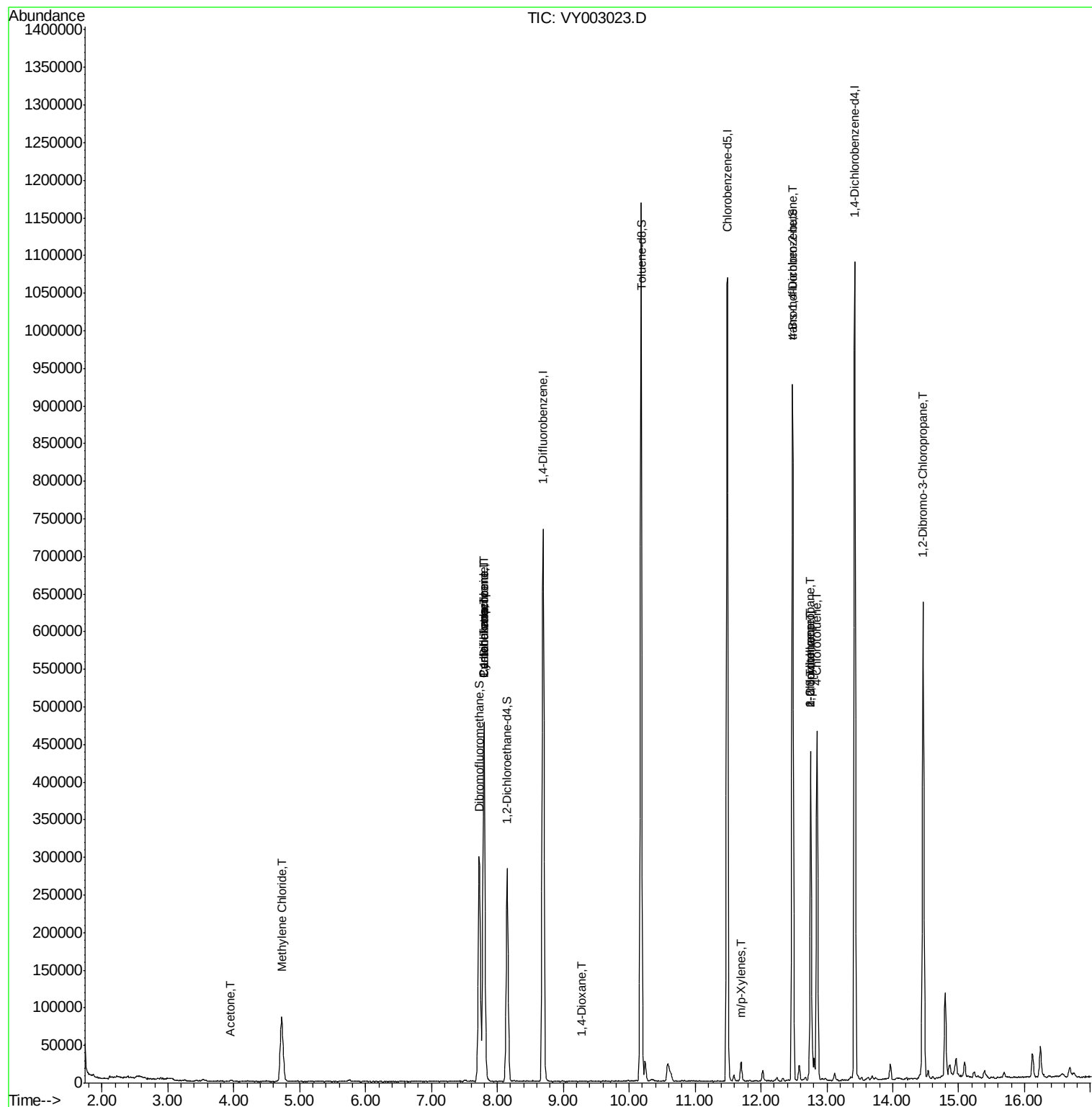
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	2290	2.449	ug/l #	80
20) Methylene Chloride	4.72	84	66330	10.370	ug/l	89
31) Cyclohexane	7.80	56	7008	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	27486	4.498	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34549	5.434	ug/l #	16
49) 1,4-Dioxane	9.28	88	33	1.075	ug/l #	1
68) m/p-Xylenes	11.70	106	8638	1.082	ug/l	92
76) 1,2,3-Trichloropropane	12.75	75	6966	2.452	ug/l #	100
78) n-propylbenzene	12.75	91	236961	10.490	ug/l #	53
79) 2-Chlorotoluene	12.75	91	236137	18.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	134723	92.279	ug/l #	12
82) 4-Chlorotoluene	12.85	91	254823	19.411	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.45	75	13515	20.141	ug/l #	1

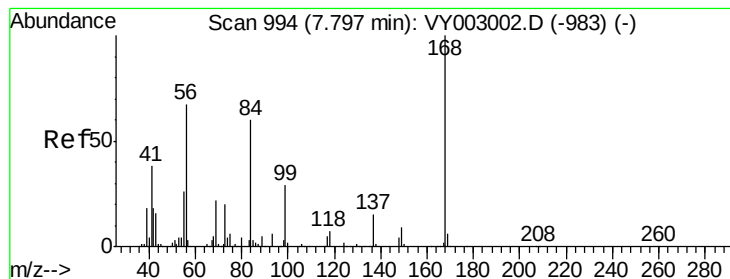
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
Data File : VY003023.D
Acq On : 29 Jun 2020 21:53
Operator : SY/MD
Sample : L3153-13
Misc : 6.70G/5ML/MSVOA Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP2-B

Quant Time: Jun 30 06:03:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampleId :

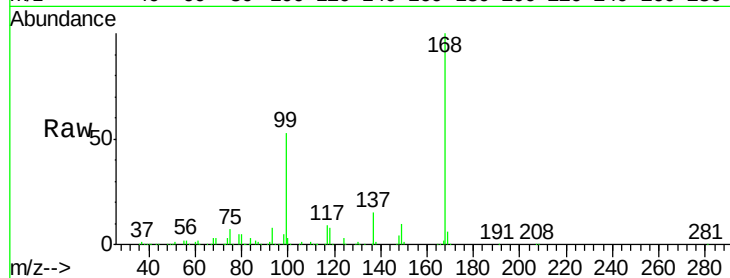
SP2-B

Tot Ion:168 Resp: 399210

Ion Ratio Lower Upper

168 100

99 52.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

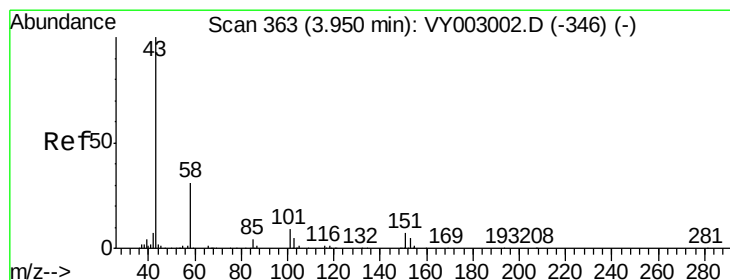
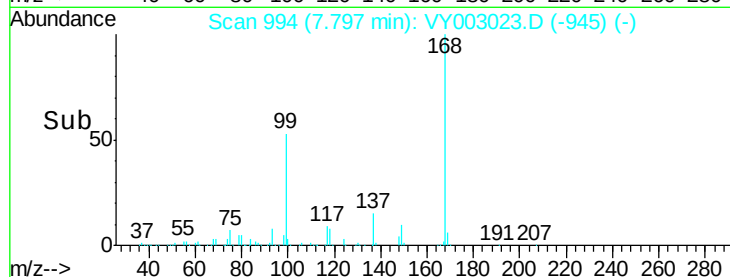
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.449 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003023.D

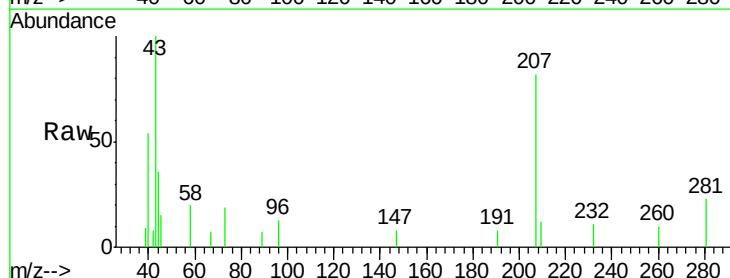
Acq: 29 Jun 2020 21:53

Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

58 20.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.96

800

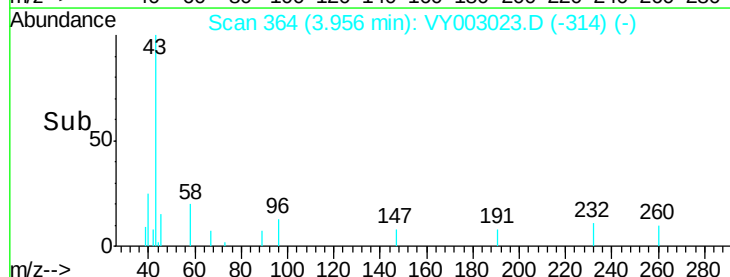
600

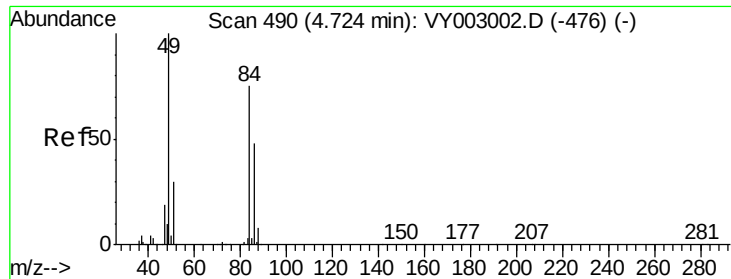
400

200

0

Time-->

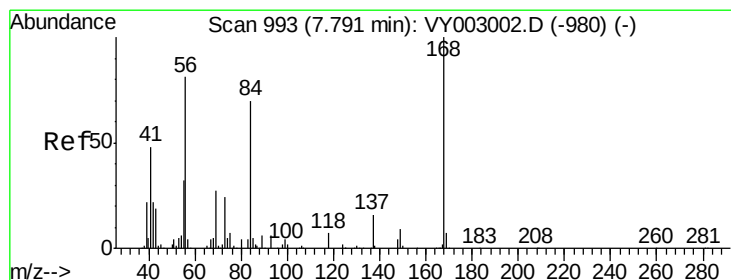
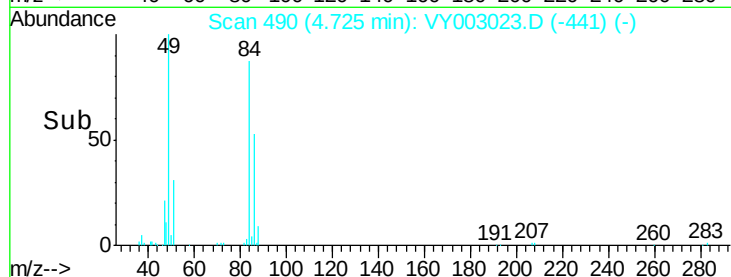
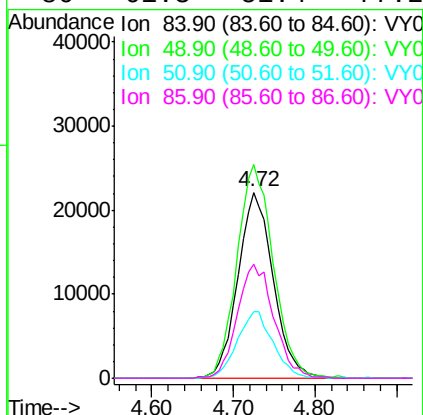
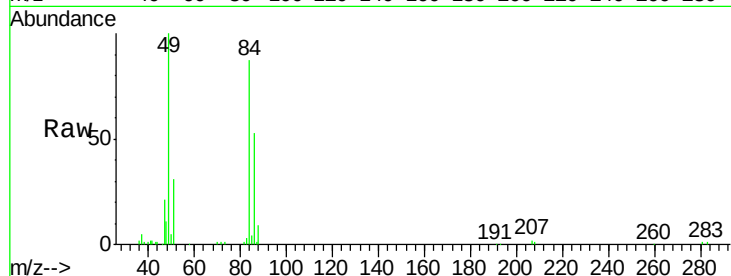




#20
Methylene Chloride
Concen: 10.370 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

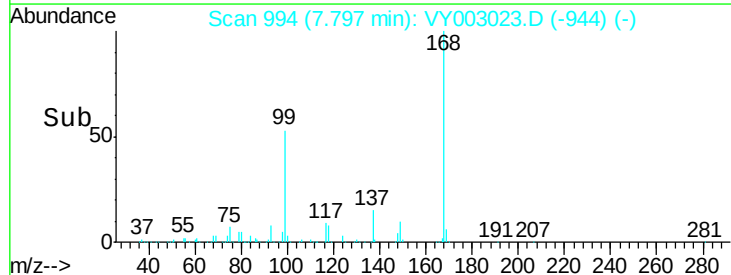
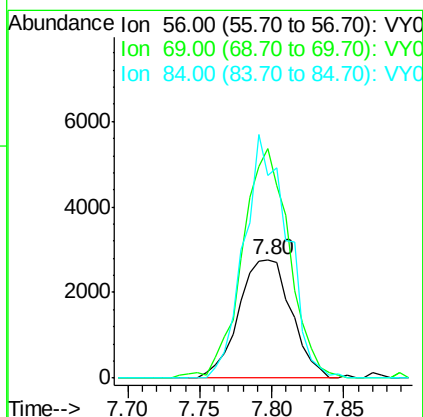
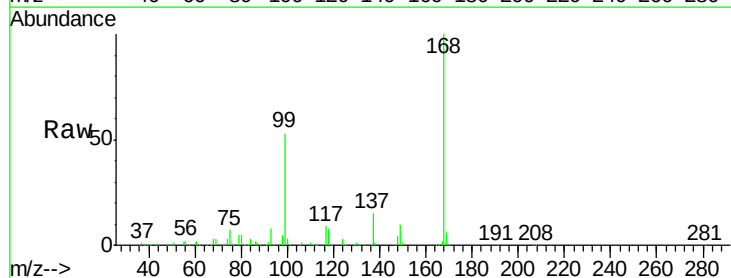
Instrument :
MSVOA_Y
ClientSampleId :
SP2-B

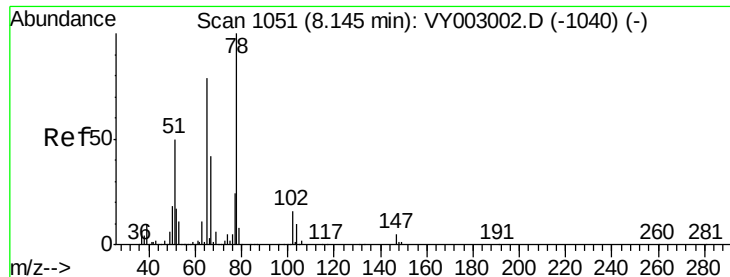
Tot Ion:	84	Resp:	66330
Ion	Ratio	Lower	Upper
84	100		
49	115.1	106.8	160.2
51	35.8	32.0	48.0
86	61.3	51.4	77.2



#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

Tgt Ion:	56	Resp:	7008
Ion	Ratio	Lower	Upper
56	100		
69	191.7	27.0	40.4#
84	171.2	68.1	102.1#

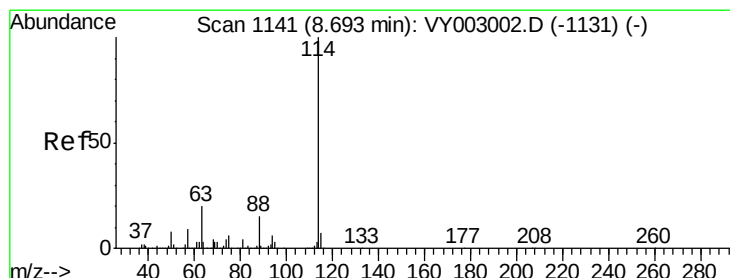
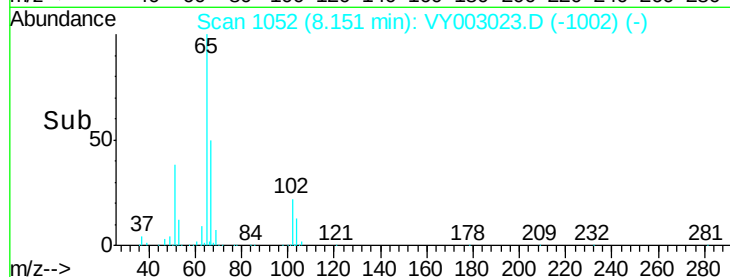
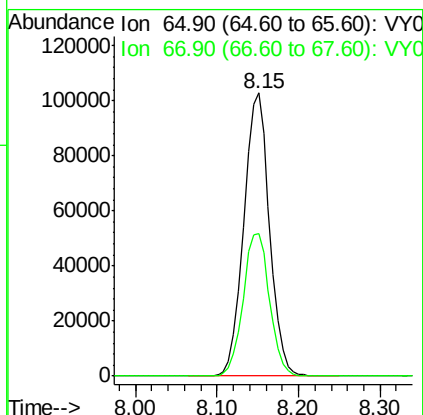
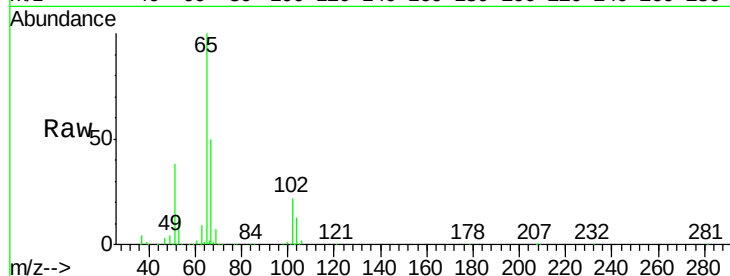




#33
 1,2-Dichloroethane-d4
 Concen: 56.538 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003023.D
 Acq: 29 Jun 2020 21:53

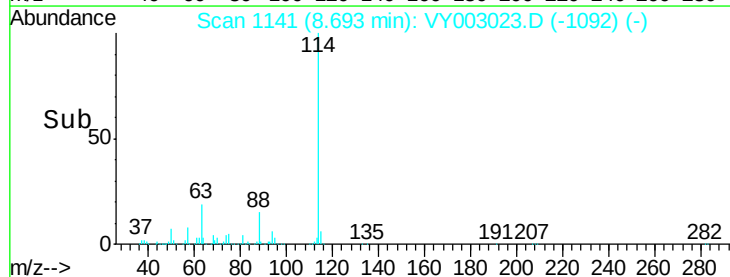
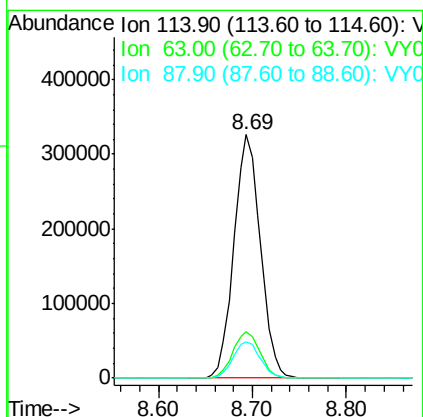
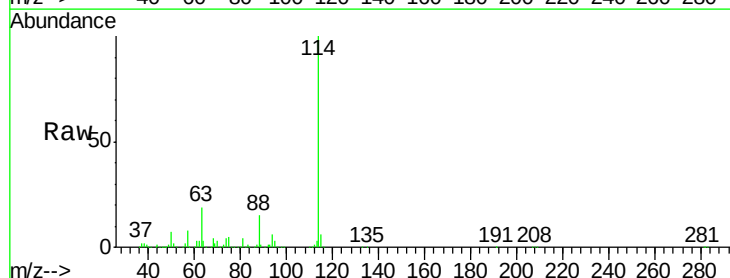
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-B

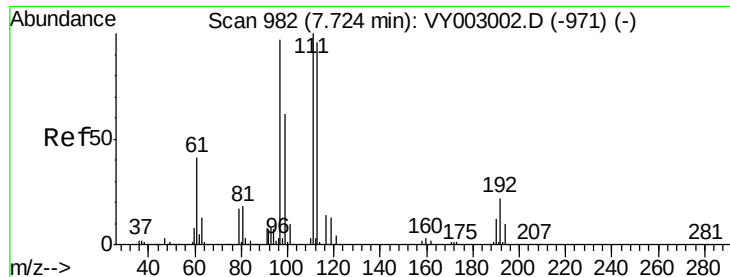
Tot Ion: 65 Resp: 224169
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003023.D
 Acq: 29 Jun 2020 21:53

Tgt Ion: 114 Resp: 634348
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.6
 88 14.9 0.0 30.0

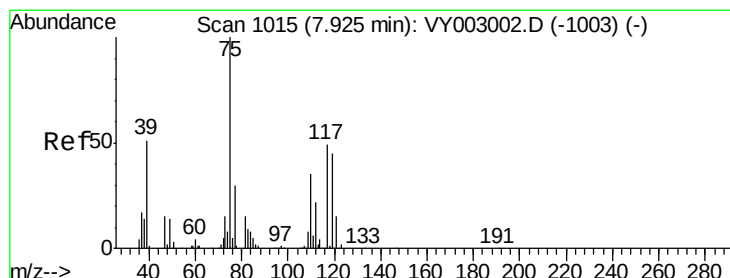
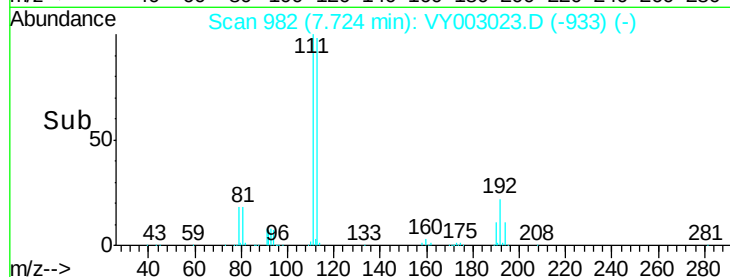
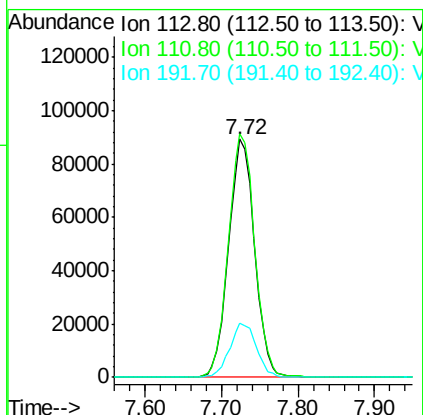
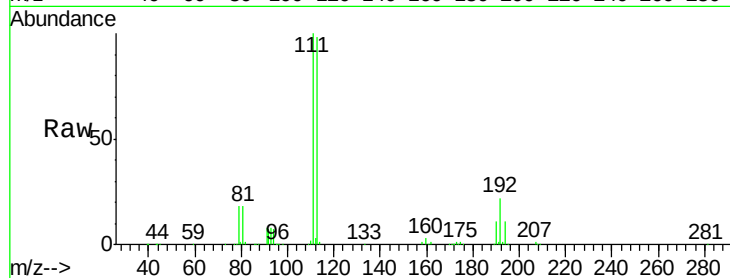




#35
 Dibromofluoromethane
 Concen: 53.012 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003023.D
 Acq: 29 Jun 2020 21:53

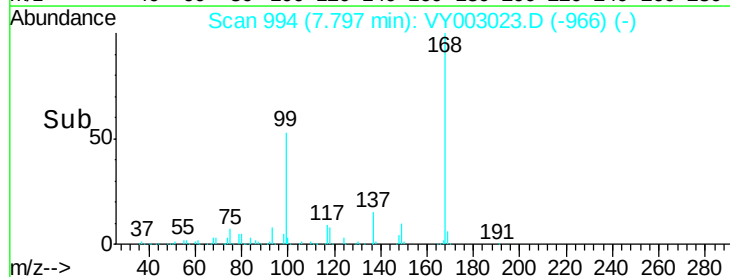
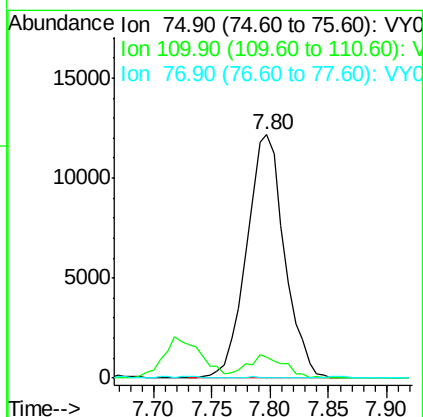
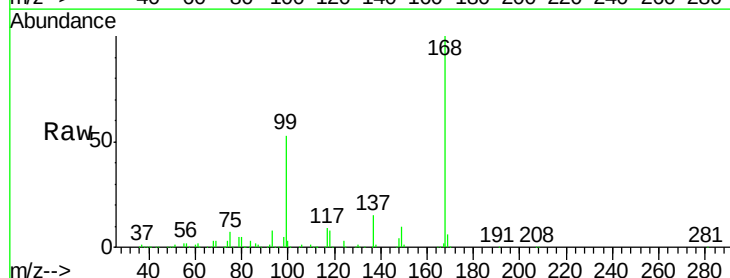
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-B

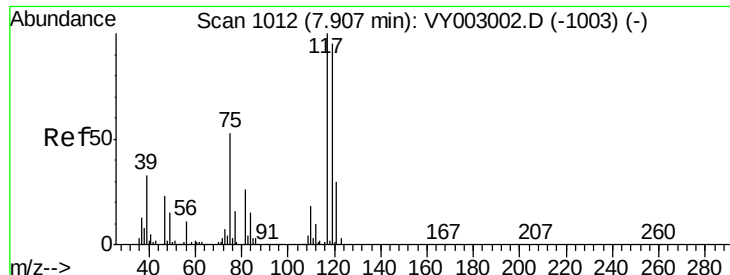
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	23.3	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003023.D
 Acq: 29 Jun 2020 21:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.2#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampleId :

SP2-B

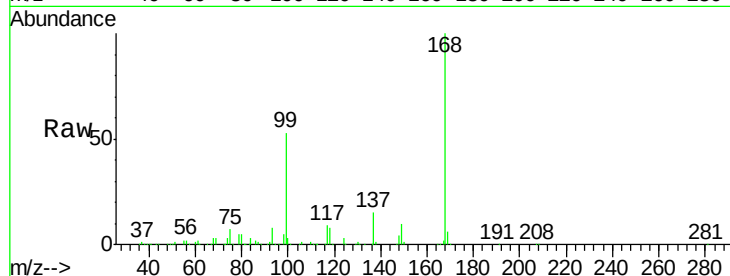
Tot Ion:117 Resp: 34549

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

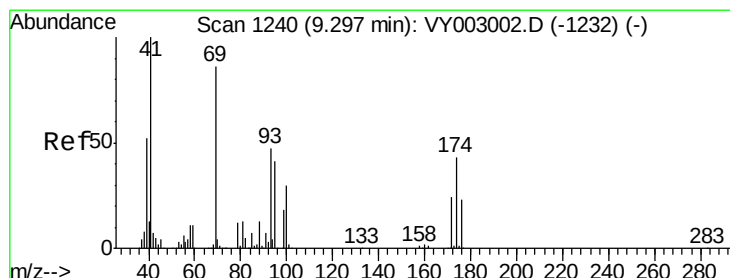
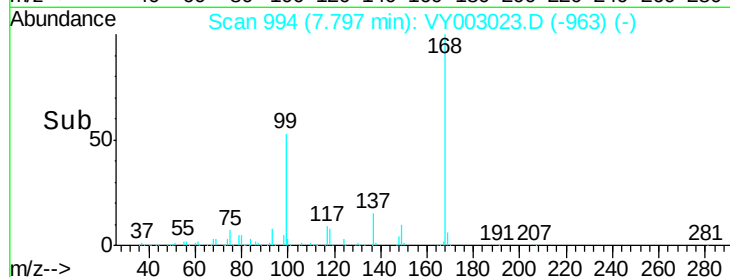
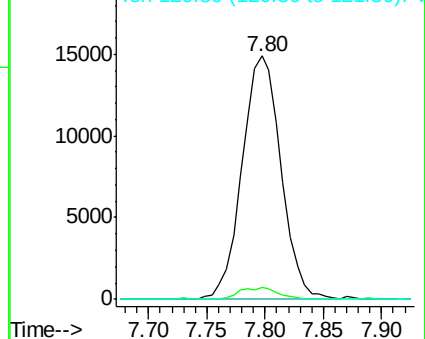
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.075 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

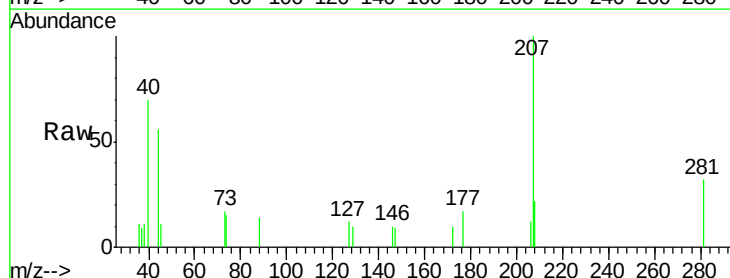
Tgt Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 121.2 28.6 42.8#

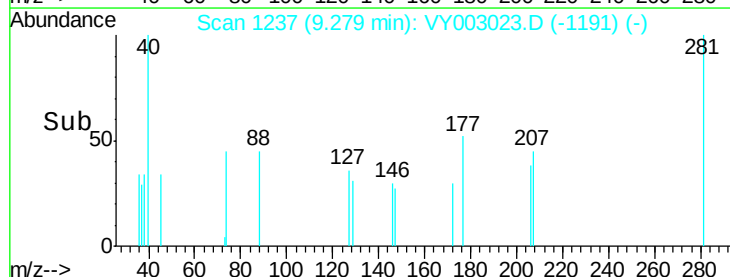
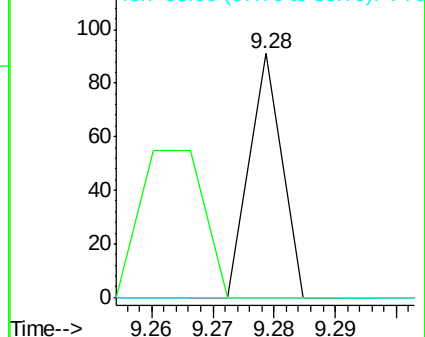
58 0.0 56.7 85.1#

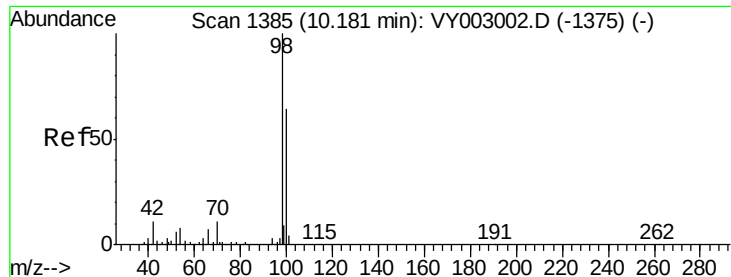


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.421 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampled :

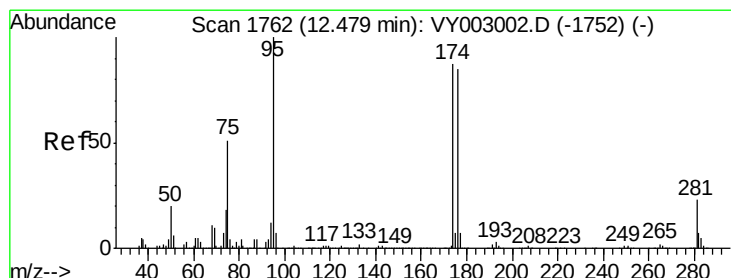
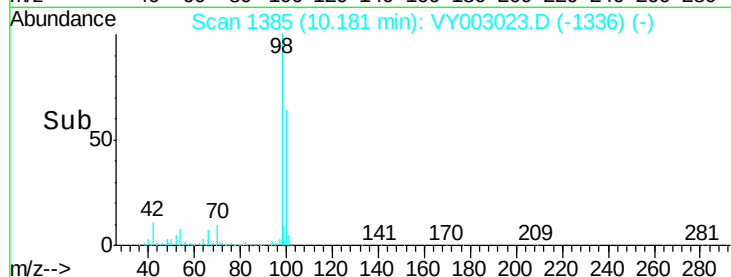
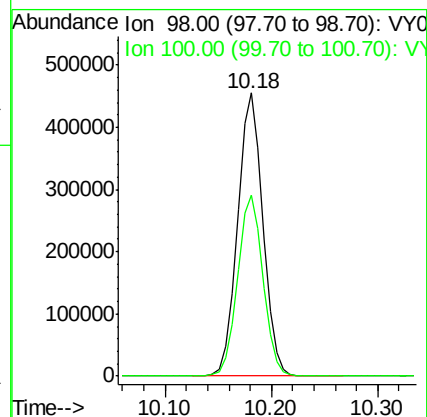
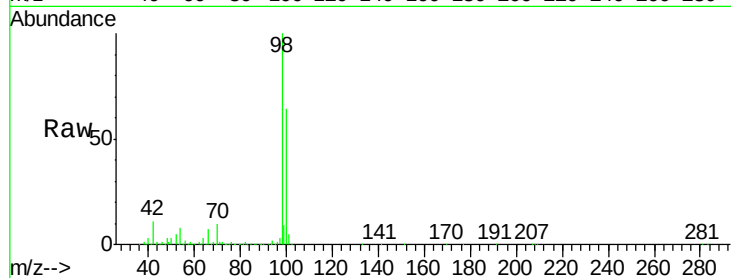
SP2-B

Tot Ion: 98 Resp: 758064

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.223 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

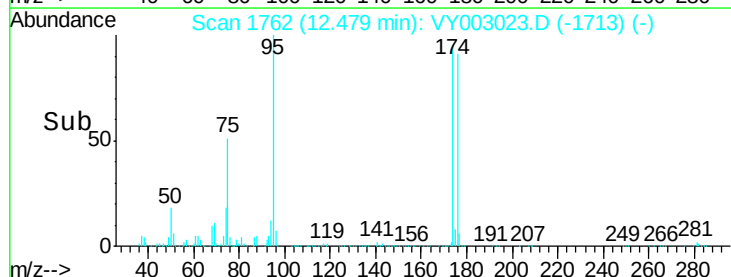
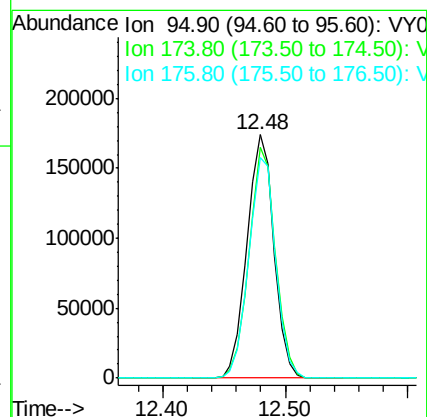
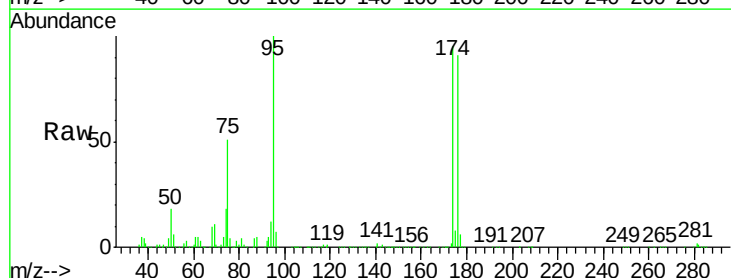
Tgt Ion: 95 Resp: 265810

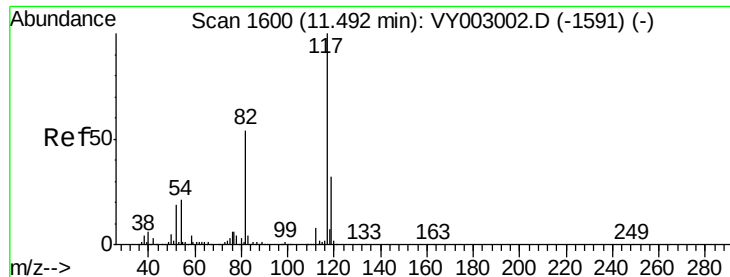
Ion Ratio Lower Upper

95 100

174 93.3 0.0 184.8

176 91.1 0.0 183.0

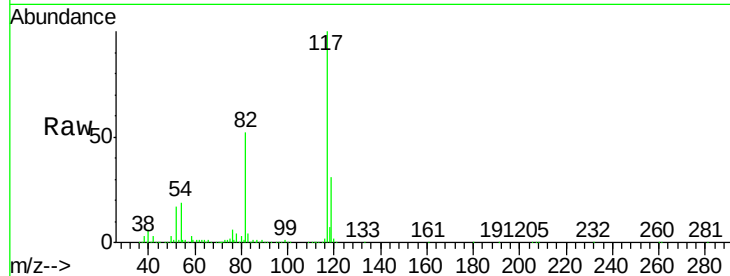




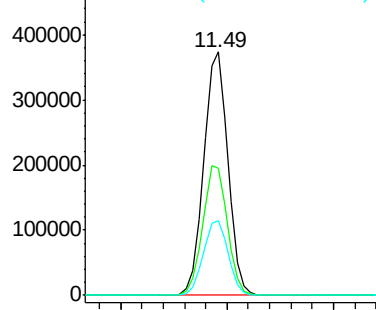
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

Instrument :
MSVOA_Y
ClientSampleId :
SP2-B

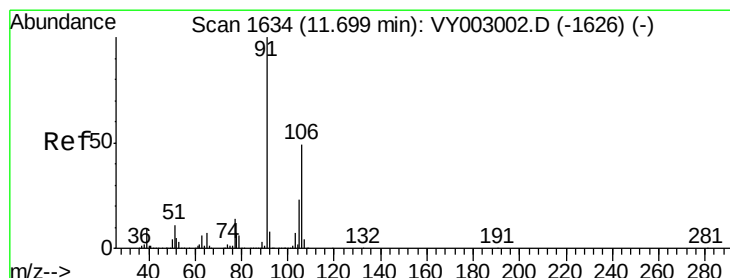
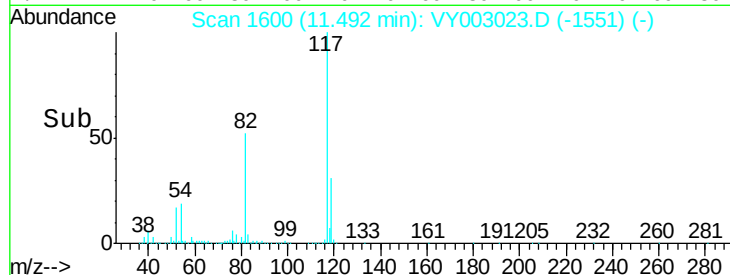
Tot Ion:117 Resp: 594786
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.6
119 30.6 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

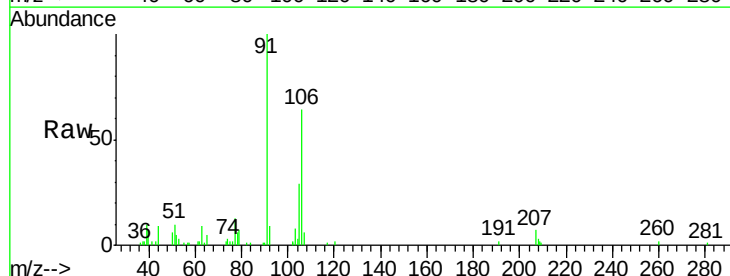


Time--> 11.40 11.50 11.60

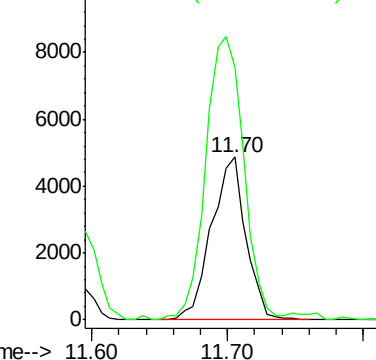


#68
m/p-Xylenes
Concen: 1.082 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

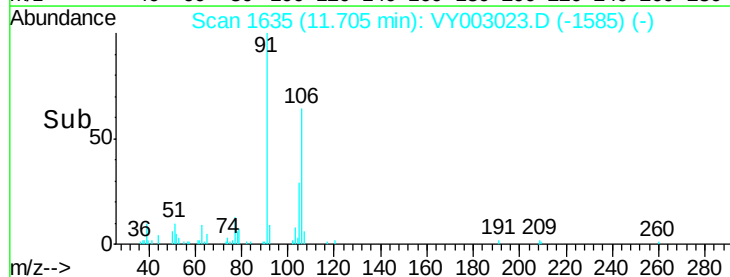
Tgt Ion:106 Resp: 8638
Ion Ratio Lower Upper
106 100
91 190.8 161.9 242.9

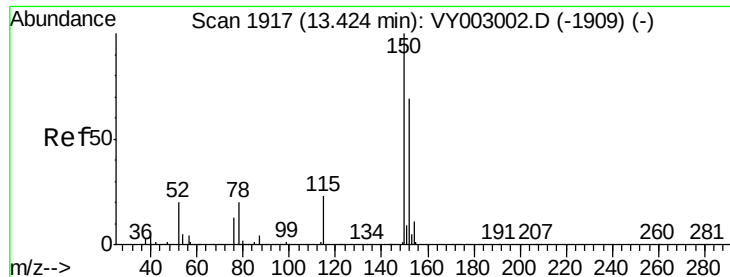


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



Time--> 11.60 11.70



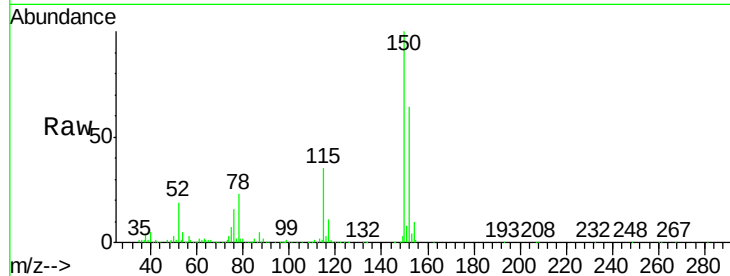


#72

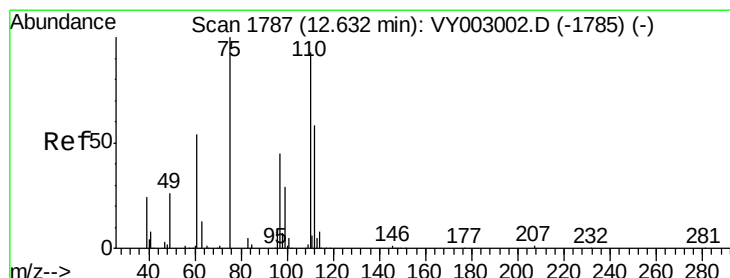
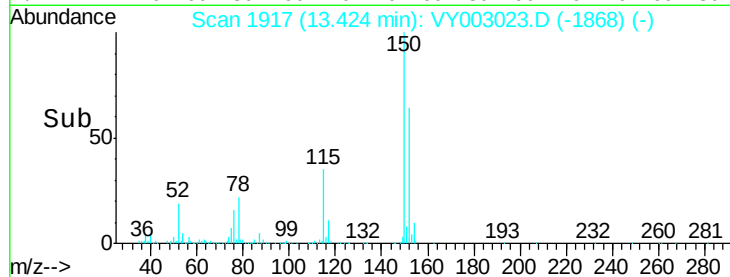
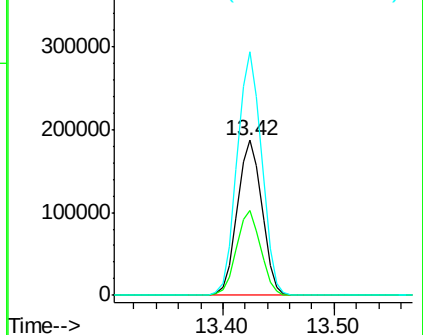
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

Instrument :
MSVOA_Y
ClientSampleId :
SP2-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.3	81.9
150	156.7	0.0	343.4



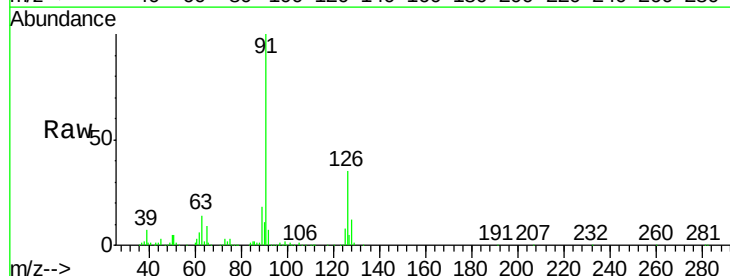
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



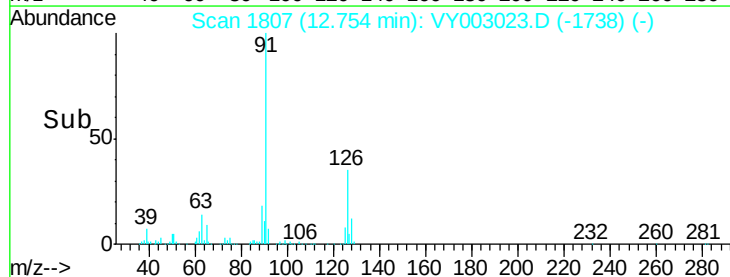
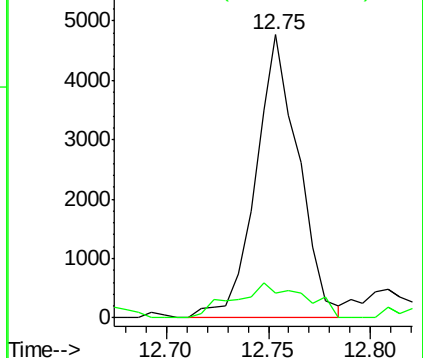
#76

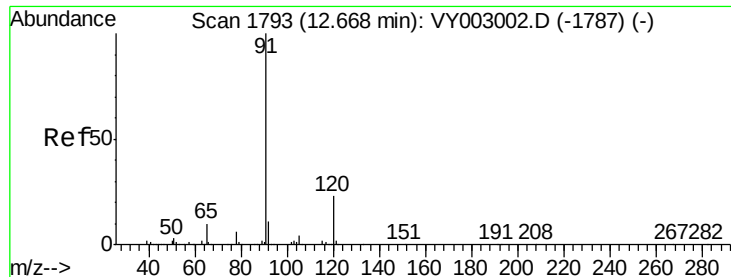
1,2,3-Trichloropropane
Concen: 2.452 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.12 min
Lab File: VY003023.D
Acq: 29 Jun 2020 21:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	20.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 10.490 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.09 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampleId :

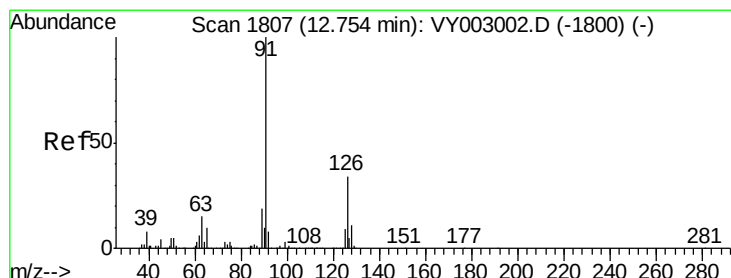
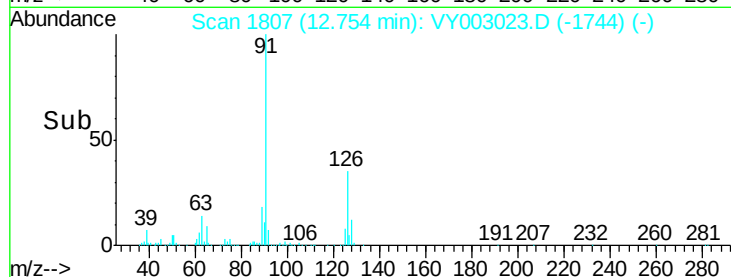
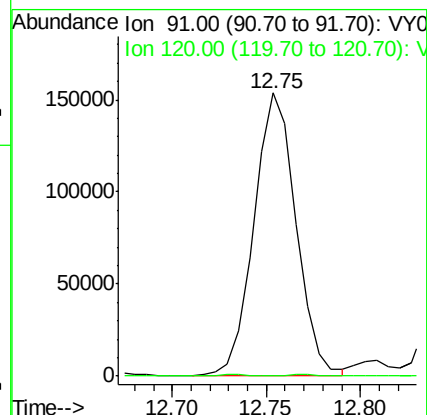
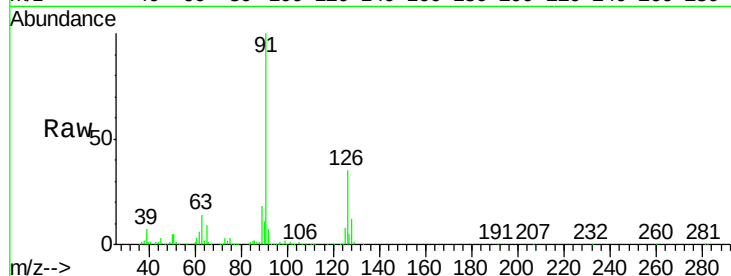
SP2-B

Tot Ion: 91 Resp: 236961

Ion Ratio Lower Upper

91 100

120 0.4 11.5 34.5#



#79

2-Chlorotoluene

Concen: 18.728 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003023.D

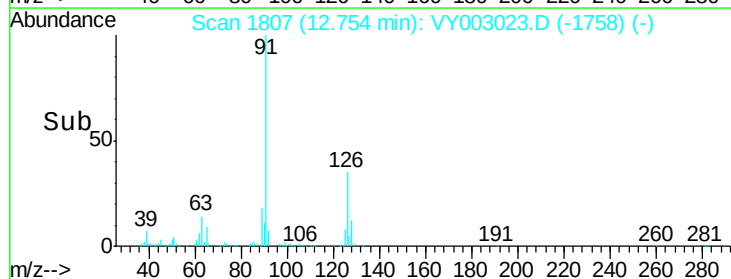
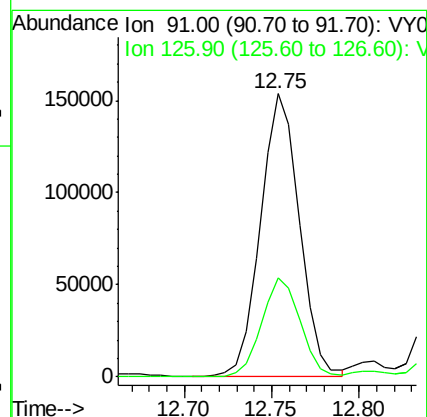
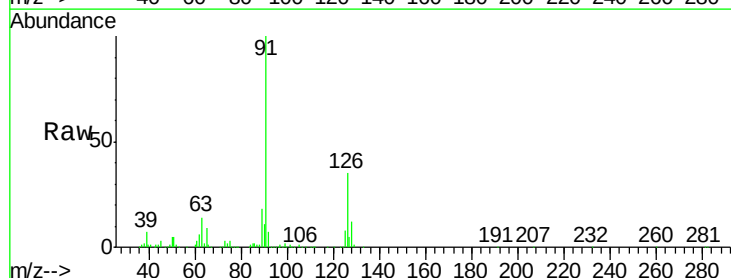
Acq: 29 Jun 2020 21:53

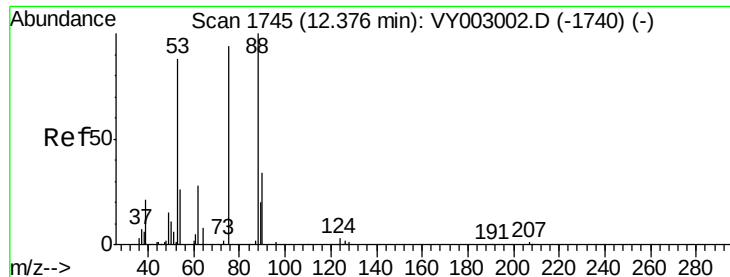
Tgt Ion: 91 Resp: 236137

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.3





#81

trans-1,4-Dichloro-2-butene

Concen: 92.279 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampleId :

SP2-B

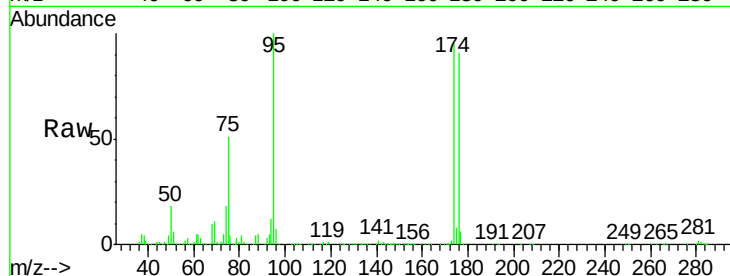
Tot Ion: 75 Resp: 134723

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

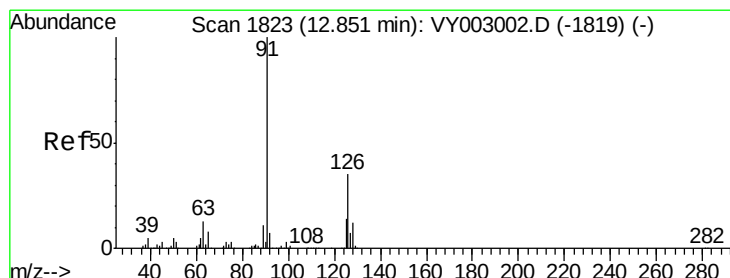
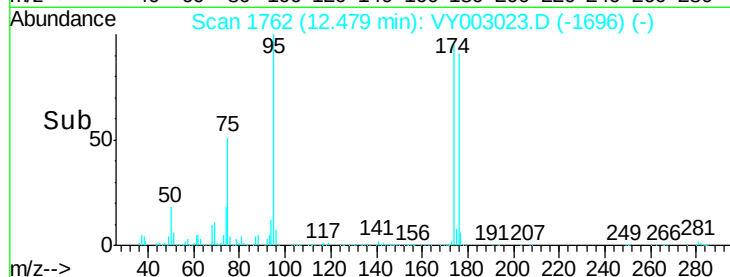
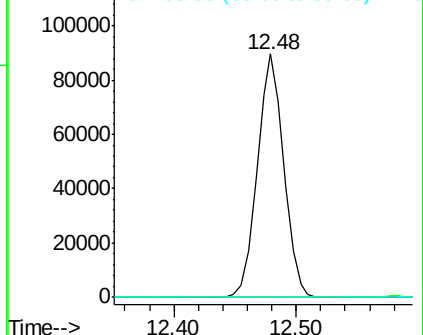
89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 19.411 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003023.D

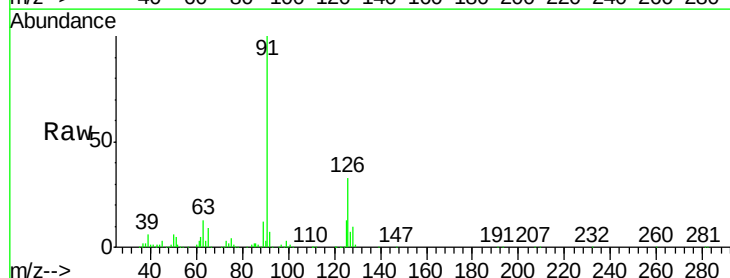
Acq: 29 Jun 2020 21:53

Tgt Ion: 91 Resp: 254823

Ion Ratio Lower Upper

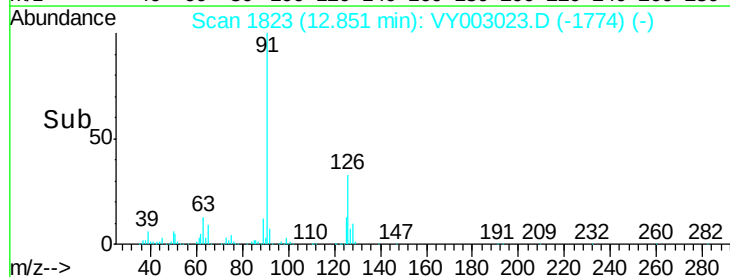
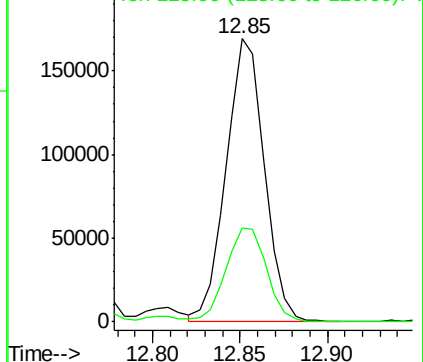
91 100

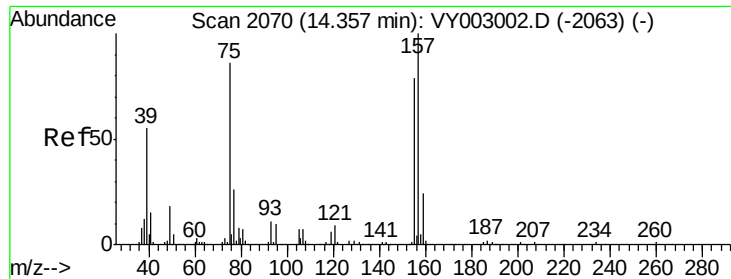
126 35.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 20.141 ug/l

RT: 14.45 min Scan# 2086

Delta R.T. 0.10 min

Lab File: VY003023.D

Acq: 29 Jun 2020 21:53

Instrument :

MSVOA_Y

ClientSampleId :

SP2-B

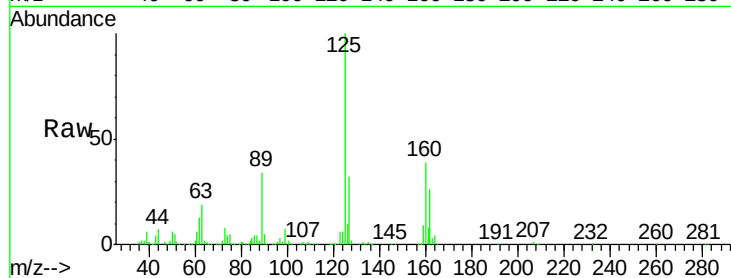
Tot Ion: 75 Resp: 13515

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.3#

157 3.0 59.2 177.5#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

